

SEQ ID NO: 1

1 LNAGITPVVR EYGSLGCSGD LAPLSHCALV LMGEGEA

SEQ ID NO: 2

1 GMLNAGITPV VREYGSLGCS GDLAPLSHCA LVLMGEGEAT

SEQ ID NO: 3

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA
51 SADTPVYGIS TGFGALATRH IA PEDRAKLO RSLIRSHAAG MGE PVEREVV
101 RALMFLRAKT LASGRTGVRP VVLETMVGML NAGITPVVRE YGSLGCSGDL
151 APLSHCALVL MGE GEATDAH GDIRPVP ELF AEAGLTPVEL AEKEGLALVN
201 GTDGMLGQLI MALADLDELL DIADATAAMS VEAQLGTDQV FRAELHEPLR
251 PHPGQGRSAQ NMFAFLADSP IVASHREGDG RVQDAYS

SEQ ID NO: 4

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA
51 SADTPVYGIS TGFGALATRH IA PEDRAKLO RSLIRSHAAG MGE PVEREVV
101 RALMFLRAKT LASGRTGVRP VVLETMVGML NAGITPVVRE YGSLGCSGDL
151 APLSHCALVL MGE GEATDAH GDIRPVP ELF AEAGLTPVEL AEKEGLALVN
201 GTDGMLGQLI MALADLDELL DIADATAAMS VEAQLGTDQV FRAELHEPLR
251 PHPGQGRSAQ NMFAFLADSP IVASHREGDG RVQDAYSLRC SPQVTGAARD
301 TIAHARLVAT RELAAAIDNP VVLPSGEVTS NGNFH GAPVA YVLDFLAIAV
351 ADLGSIAERR TDRMLDPARS RDLP AFLADD PGVD SGMMIA QYTQAGLVAE
401 NKRLA

SEQ ID NO: 5

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA
51 SADTPVYGIS TGFGALATRH IAPEDRAKLQ RSLIRSHAAG MGEPVVEREVV
101 RALMFLRAKT LASGRTGVRP VVLETMVGML NAGITPVVRE YGSLGCSGDL
151 APLSHCALVL MGEGEATDAH GDIRPVPELF AEAGLTPVEL AEKEGLALVN
201 GTDGMLGQLI MALADLDELL DIADATAAMS VEAQLGTDQV FRAELHEPLR
251 PHPGQGRSAQ NMFAFLADSP IVASHREGDG RVQDAYSLRC SPQVTGAARD
301 TIAHARLVAT RELAAAIDNP VVLPSGEVTS NGNFHGAPVA YVLDFLAIAV
351 ADLGSIAERR TDRMLDPARS RDLP AFLADD PGVDSGMMIA QYTQAGLVAE
401 NKRLAVPASV DSIPSSAMQE DHVSLGWHAA RKLRTSVANL RRILAVEMLI
451 AGRALDLRAP LKPGPATGAV LEVLRSKVAG PGQDRFLSAE LEAAYDLLAN
501 GSVHKALEAH LPA

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SEQ ID NO: 6

1 XXXXXXXXXG XSGXTAXDVX AVARHXARXX XSXXXXEXLA XXRXXXDALA
51 XXXXPVYVGXS TGFGALAXRH IXXEXRAXLQ RXXXRSHAAG MGXXVEREVV
101 RALMFLRXKT XASGXTGVRP XVXXTMX**GXL** NAGITPVVXE YGSLGCSGDL
151 APLSHCALXL MGEGEATXXX GXXRPXXELX AXXGXXPVEL XEKEGLALXN
201 GTDGMLGXGX MALADLXXLX XXADXTAAXS XEAXLGTDXV XXXELHXXXR
251 PHPGQGXSAZ NMXXXLAXSX XXXXHXXXXX RVQDAYSXRC XPQVXGAXRD
301 TXZHAXLVAX RELAXXDNP VVLPXGVXS NGNFHGAPVA YVLDFLAIXX
351 ADLGSIERR TDRXLDXXRS XXLPXFLADD XGVDSGXMIA QYTQAXLVXE
401 XKRLAVPASX DSIPSSAMQE DHVSXGXAA RKLRTXVXNL XRIXAVEXXX
451 AXRAXXLRAX XXLXPXPAXX AVXXXLRXXX AXGPGXDRFL XXXLXAAXXX
501 XXXGXXXXAX E

SECRET
S E C R E T
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SEQ ID NO: 7

1 ATGGCTTCCG CTCCTCAAAT AACACTTGGC CTAAGTGGCG CAACCGCAGA
51 CGACGTTATC GCCGTTGCC CCGCACGAAGC CCGCATCAGC ATTTCTCCGC
101 AAGTACTTGA GGAACCTGGCT TCCGTCCGAG CACATATCGA TGCACTAGCA
151 TCCGCTGATA CCCCGGTTA TGGCATTCA ACCGGCTTG GCGCGTTGGC
201 AACCCGCCAC ATCGCACCCG AGGATCGCGC CAAGCTGCAG CGCTCCCTCA
251 TCCGTTCCA CGCTGCTGGC ATGGGTGAAC CGGTGGAGCG CGAAGTGGTC
301 CGCGCATTGA TGTTCTTGCG TGCAAAGACC CTGGCTTCCG GCCGCACGGG
351 CGTCGCCCG GTTGTCTTG AGACCATGGT CGGCATGCTC AATGCAGGCA
401 TCACTCCGGT AGTCCCGCAA TACGGTTCAC TGGGCTGCTC CGGTGACTTG
451 GCTCCGCTGT CGCACTGCAC ATTAGTGCTG ATGGGCGAGG GCGAAGCCAC
501 CGATGCCAC GGCGACATCC GCCCGGTACC GGAACGTTC GCCGAGGCCG
551 GATTGACCC TGTCGAACTG GCAGAAAAGG AAGGCCTGGC TCTGGTCAAC
601 GGCACCGACG GCATGCTCGG CCAGCTGATC ATGGCATTGG CGGACCTCGA
651 TGAGCTGCTG GACATGCCG ATGCCACCGC CGCCATGAGC GTTGAAGCCC
701 AGCTGGGCAC CGATCAGGTA TTCCGCGCAG AACTGCACGA ACCACTGCGC
751 CCGCACCCAG GCCAGGGCCG CAGCGCCAG AACATGTTCG CCTTCCTGGC
801 CGACTCGCCA ATTGTTGCCT CGCATCGCA GGGAGACGGC CGAGTGCAGG
851 ATGCCTACTC GCTGCGTTGC TCGCCGCAGG TCACCGGCGC CGCCCGCGAC
901 ACCATTGCTC ATGCCCGCCT GGTGCCACC CGCGAACTGG CTGCGGCCAT

951 TGACAACCCT GTGGTGCTGC CCAGCGGCGA AGTGACTTCC AACGGCAACT

1001 TCCACGGCGC ACCGGTAGCC TACGTGCTGG ACTTCCTTGC CATGCCGTG

1051 GCCGACCTCG GCTCTATCGC CGAGCGCCGC ACCGACCGCA TGCTCGACCC

1101 AGCCCGCTCC CGCGACCTGC CGGCATTCTT GGCCGACGAT CGGGGTGTGG

1151 ACTCGGGCAT GATGATCGCC CAGTACACCC AGGCCGGCTT GGTGGCAGAA

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1201 AACAAAGCGGC TGGCAGTTCC TGCCAGCGTT GACTCCATCC CATCCTCGGC

1251 CATGCAGGAA GACCACGTTT CCCTGGGCTG GCATGCGGCG CGCAAGCTGC

1301 GCACCTCGGT AGCGAACCTC CGCCGCATTC TCGCAGTGGAA AATGCTGATT

1351 GCCGGCCGCG CCCTGGACCT GCAGGGCCCCA TTGAAGCCTG GTCCAGCGAC

1401 CGGTGCAGGT CTTGAAGTAT TGGCAGCAA GGTTGCAGGC CCCGGCCAGG

1451 ACCGCTTCCT TTCCGCAGAA CTGGAAAGCAG CCTATGACCT GCTGGCCAAT

1501 GGCTCGGTGC ATAAGGCCCT CGAAGCTCAC CTGCCTGCAT AA

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA

51 SADTPVYGIS TGFGALATRH IAPEDRAKLQ RSLIRSHAAG MGEPVVEREVV

101 RALMFLRAKT LASGRSRPV VLETMVGMLN AGITPVVREY GSLGCSGDLA

151 PLSHCALVLM GEGEATDAHG DIRPVPELFA EAGLTPVELA EKEGLALVNG

201 TDGMLGQLIM ALADLDELLD IADATAAMSV EAQLGTDQVF RAELHEPLRP

251 HPGQGRSAQN MFAFLADSPI VASHREGDGR VQDAYS

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

SEQ ID NO:9

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA

51 SADTPVYGIS TGFGALATRH IAPEDRAKLQ RSLIRSHAAG MGEPVREVV

101 RALMFLRAKT LASGRSRPV VLETMVGMLN AGITPVVREY GSLGCSGDLA

151 PLSHCALVLM GEGEATDAHG DIRPVPELFA EAGLTPVELA EKEGLALVNG

201 TDGMLGQLIM ALADLDELLD IADATAAMSV EAQLGTDQVF RAELHEPLRP

251 HPGQGRSAQN MFAFLADSPI VASHREGDGR VQDAYSLRCS PQVTGAARDT

301 IAHARLVATR ELAAAIDNPV VLPSGEVTSN GNFHGAPVAY VLDFLAIAVA

351 DLGSIAERRT DRMLDPARSR DLPAFLADDP GVDSGMMIAQ YTQAGLVAEN

401 KRLA

SEQ ID NO:10

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA

51 SADTPVYGIS TGFGALATRH IA PEDRAKLO RSLIRSHAAG MGE PVEREVV

101 RALMFLRAKT LASGRSVRPV VLETMVGMLN AGITPVVREY GSLGCSGDLA

151 PLSHCALVLM GEGEATDAHG DIRPVPELFA EAGLTPVELA EKEGLALVNG

201 TDGMLGQLIM ALADLDELLD IADATAAMSV EAQLGTDQVF RAELHEPLRP

251 HPGQGRSAQN MFAFLADSPI VASHREGDGR VQDAYSLRCS PQVTGAARDT

301 IA HARLVATR ELAAAIDNPV VLPSGEVTSN GNFGAPVAY VLDFLAIAVA

351 DLGSIAERRT DRMLDPARSR DLPAFLADDP GVDGMMIAQ YTQAGLVAEN

401 KRLAVPAVDS IPSSAMQEDH VSLGWHAARK LPTSVANLRR ILAVEMLIAG

451 RALDLRAPLK PGPATGAVLE VLRSKVAGPG QDRFLSAELE AAYDLLANGS

501 VHKA LEAHLP E

SEQ ID NO: 11

1 XXXXXXXXXG XSGXTAXDVX AVARHXARXX XSXXXXEXLA XXRXXXDALA

51 XXXXPVYVGXS TGFGALAXRH IXXEXRAXLQ RXXXRSHAAG MGXXVEREVV

101 RALMFLRXKT XASGXX-VRP XVXXTMX**GXL** NAGITPVVXE YGSLGCSGDL151 APLSHCALVL MGEGEA**XXX** GXXRPXXELX AXXGXXPVEL XEKEGLALXN

201 GTDGMLGXGX MALADLXXLX XXADXTAAXS XEAXLGTDXV XXXELHXXXR

251 PHPGQGSAX NMXXXLAX-S XXXXXHXXXX X---RVQDAY SXRCXPQVXG

301 AXRDTXXHAX LVAXRELAXX XDNPVVLPG -XVXSNGNFH GAPVAYVLDF

351 LAIXXADLGS IXERRTDRXL DXXRSXXLPX FLADDXGVDS GXMIAQYTQA

401 XLVXEXKRLA VPA-XDSIPS SAMQEDHVSX GWXAARKLXT XVXNLXRIXA

451 VEXXXAXRAX XLRAX-XXXX PAXXAVXXXL RXXXA-GPGQ DRFLXXXLXA

501 AXXXXXXX-- -X-XXXXXEX XXXX

SEQ ID NO: 12

1 ATGGCTTCCG CTCCTCAAAT AACACTTGGC CTAAGTGGCG CAACCGCAGA

51 CGACGTTATC GCCGTTGCC CCGACGAAGC CCGCATCAGC ATTTCTCCGC

101 AAGTACTTGA GGAACCTGGCT TCCGTCCGAG CACATATCGA TGCACTAGCA

151 TCCGCTGATA CCCC GGTTA TGGCATTCA ACCGGCTTG GCGCGTTGGC

201 AACCCGCCAC ATCGCACCCG AGGATCGCGC CAAGCTGCAG CGCTCCCTCA

251 TCCGTTCCCA CGCTGCTGGC ATGGGTGAAC CGGTGGAGCG CGAAGTGGTC

301 CGCGCATTGA TGTTCTTGCG TGCAAAGACC CTGGCTTCCG GCCGCAGCGT

351 TCGCCCGGTT GTCCTTGAGA CCATGGTCGG CATGCTCAAT GCAGGCATCA

401 CTCCGGTAGT CCGCGAATAC GGTTCACTGG GCTGCTCCGG TGACTTGGCT

451 CCGCTGTCGC ACTGCGCATT AGTGCTGATG GGCGAGGGCG AAGCCACCGA

501 TGCCCACGGC GACATCCGCC CGGTACCGGA ACTGTTGCC GAGGCCGGAT

551 TGACCCCTGT CGAACTGGCA GAAAAGGAAG GCCTGGCTCT GGTCAACGGC

601 ACCGACGGCA TGCTCGGCCA GCTGATCATG GCATTGGCGG ACCTCGATGA

651 GCTGCTGGAC ATCGCCGATG CCACCGCCGC CATGAGCGTT

GAAGCCCAGC

701 TGGGCACCGA TCAGGTATTG CGCGCAGAAC TGCACGAACC ACTGCGCCCG

751 CACCCAGGCC AGGGCCGCAG CGCCCAGAAC ATGTTGCCT TCCTGGCCGA

801 CTCGCCAATT GTTGCCTCGC ATCGCGAGGG AGACGGCCGA GTGCAGGGATG

851 CCTACTCGCT GCGTTGCTCG CCGCAGGTCA CCGGCGCCGC CCGCGACACC

901 ATTGCTCATG CCCGCCTGGT CGCCACCCGC GAACTGGCTG CGGCCATTGA

951 CAACCCTGTG GTGCTGCCCA GCGGCGAAGT GACTTCCAAC GGCAACTTCC

1001 ACGGCGCACC GGTAGCCTAC GTGCTGGACT TCCTTGCCAT CGCCGTGGCC

1051 GACCTCGGCT CTATGCCGA GCGCCGCACC GACCGCATGC TCGACCCAGC

1101 CCGCTCCCGC GACCTGCCGG CATT CCTGGC CGACGATCCG GGTGTGGACT

1151 CGGGCATGAT GATCGCCCAG TACACTCAGG CCGGCTTGGT GGCAGAAAAC

1201 AAGCGGCTGG CAGTTCCCTGC AGTTGACTCC ATCCCATCCT CGGCCATGCA

1251 GGAAGACCAC GTTCCCTGG GCTGGCATGC GGCGCGCAAG CTGCCGACCT

1301 CGGTAGCGAA CCTCCGCCGC ATTCTCGCAG TGGAAATGCT GATTGCCGGC

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1351 CGCGCCCTGG ACCTGCAGGGC CCCATTGAAG CCTGGTCCAG

CGACCGGTGC

1401 GGTGCTTGAA GTATTGCGCA GCAAGGTTGC AGGCCCCGGC CAGGACCGCT

1451 TCCTTCCGC AGAACTGGAA GCAGCCTATG ACCTGCTGGC CAATGGCTCG

1501 GTGCATAAGG CCCTCGAAGC TCACCTGCCT GAATAA

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